

CURRICULUM VITAE
Honglei Chen, M.D., Ph.D.

Education History

1993 M.D. TianJin Medical University
1996 M.Sc. Chinese Academy of Preventive Medicine
2001 Ph.D. Tufts University

Academic Appointments

2001-2003 Research Associate in Nutritional Epidemiology, Harvard School of Public Health, Boston, MA
2003-date Instructor in Nutritional Epidemiology, Harvard School of Public Health, Boston, MA
2005-date Tenure-Track Investigator, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
2007-date Adjunct Assistant Professor at University of North Carolina, Chapel Hill

Other Professional Positions and Major Visiting Appointments

1992 Intern in Medicine, HuanHu Hospital, TianJin, P.R. China
1999-2000 Visiting Fellow in Cancer Epidemiology, National Cancer Institute, Bethesda, MD

Relevant Teaching Experience

2001-2003 Invited lectures on “Nutritional Epidemiology”, Tufts University
2002 Invited lecture on “Design of Epidemiologic Studies for Nutrition Research”, Tufts University
2003-2005 Invited lectures on “Nutritional Epidemiology”, Harvard School of Public Health
2003 Tutor on “Clinical Epidemiology”, Harvard Medical School
2007-2008 Invited lectures on “Environmental Epidemiology”, University of North Carolina, Chapel Hill

Awards and Honors

1988-93	Scholarship Award for Outstanding Students (TianJin Medical University)
1990	Wang K-CH Metropolitan Scholarship Award (Advanced Education Committee of TianJin)
1996	Excellent Thesis Award (Chinese Academy of Preventive Medicine)
1996-2000	Scholarship Award (Tufts University)
1990-2000	Visiting Fellowship Award (National Cancer Institute)
2002-2003	National Research Service Award (National Institutes of Health)

Professional Societies

Society for Epidemiologic Research
Movement Disorders Society
American College of Nutrition

Extramural Grants

2002-04	Michael J. Fox Foundation for Parkinson's Research	Co-Investigator	Prospective study of non-steroidal anti-inflammatory drugs and risk of Parkinson's disease
2003-04	NIH RO1	Co-Investigator	Prospective epidemiological study of ALS
2004-05*	NIH KO8	Principal Investigator	Diet, gene-diet interactions and risk of Parkinson's
2005-10	NIH RO1	Co-Investigator	NSAIDs, inflammation and Parkinson's disease
2005-09	NIH RO1	Consultant	Prospective study of ALS: Pooling project

* Terminated because of my new position at NIH does not allow me to have extramural grant as PI.

NIH Intramural Grants

2006-	NIH-ZO1	Principal Investigator	The Parkinson's Gene and Environment Study
2008-	NIH-ZO1	Principal Investigator	The Shanghai Parkinson Study (Pending)

Invited Presentations

- National Institute of Environmental Health Sciences, April 7th 2009, RTP, NC, USA: “Parkinson's Disease: Etiology, Clinical and Disability Management”
- Institute for Nutritional Science, Chinese Academy of Sciences, Jun 3, 2008, Shanghai China: “Role of Diet in Parkinson’s Disease Development”
- Shanghai Huashan Hospital, May 29, 2008, Shanghai, China: “Parkinson’s Disease: Gene and Environment”
- Vanderbilt University, Nov 9, 2007, Nashville TN, USA: “Parkinson Epidemiology: Recent Progress and Research Opportunities”
- The Fourth Annual Parkinson’s Progress in 2007 Conference: Sept 28, 2007, Omaha, NE, USA: “Environmental Epidemiology of Parkinson's Disease”
- The Fourth Annual Parkinson’s Progress in 2007 Conference: Sept 28, 2007, Omaha, NE, USA: “Potential Environmental Contributors to Parkinson's Disease”
- Consensus Meeting on Environment and Parkinson’s Disease: June 26-28, 2007, Sunnyvale, CA, USA: “Diet and Parkinson’s disease”
- Roundtable Meeting on Exercise and Parkinson’s Disease: University of Pittsburgh, June 18, 2007, Pittsburgh, PA, USA: “Exercise and Parkinson’s disease – Epidemiological findings”
- North Carolina State University, March 20, 2007, Raleigh, NC: “Parkinson’s disease: Is environment still relevant”.
- Annual Conference on Rodent Genetics (Session Mediator): National Institute of Environmental Health Sciences, September 26, 2006, RTP, NC, USA: “Gene-Environment Interactions in Parkinson's Disease”
- Harvard School of Public Health, July 10, 2006. Boston, MA, USA: “Epidemiology of Parkinson’s disease: contributions from prospective studies”
- Harvard School of Public Health, October 31, 2005. Boston, MA, USA: “Dairy consumption and risk of Parkinson’s disease”
- Harvard School of Public Health, March 15, 2004, Boston, MA, USA: “Diet and Parkinson’s disease”
- International Forum on the New Approaches to Understand Neuropsychological Diseases, September 3, 2004, Shanghai, China: “Environmental and genetic risk factors for Parkinson’s disease”
- International Symposium on Parkinson’s disease, September 4-7, 2004, Beijing, China: “Obesity and the risk of Parkinson’s disease”
- 45th Annual Meeting of the American College of Nutrition, September 30–October 3, 2004, Long Beach, CA, USA: “Diet, Lifestyles, and Risk of Parkinson’s Disease”
- Parkinson Institute, November 15, 2004, Sunnyvale, CA, USA: “Risk factors for Parkinson's disease: Findings from the Health Professionals Follow-up Study and the Nurses’ Health Study”

Reviewer for Journals:

Lancet, British Medical Journal, Annals of Neurology, Neurology, Archives of Neurology, Movement Disorders, Environmental Health Perspectives, Brain Behavior and Immunity, Cancer Causes and Control, Neurotoxicology, Expert Review of Neurotherapeutics, Brain Research, American Journal of Epidemiology, Epidemiology, Neuroepidemiology, American Journal of Clinical Nutrition, The Journal of Nutrition, Health and Aging, Journal of American College of Nutrition, Journal of American Geriatric Society, Drugs & Aging

Grant Reviews and Other Professional Services

Parkinson's Disease Society (ad-hoc reviewer)
The Wellcome Trust (ad-hoc reviewer)
Center for Environmental Health and Susceptibility, University of North Carolina, School of Public Health (ad-hoc reviewer)
Expert Panel on Global Burden of Diseases, Gates Foundation / World Health Organization Scientific Committee, Wuhan International Conference on the Environment & the 2009 Annual Meeting of Chinese Society for Environmental Sciences, June 2009
National Institute of Environmental Health Sciences/National Toxicology Program Scientific Review Group
DIR Committee for Distinguished lecturers and Scientific Conferences, National Institute of Environmental Health Sciences
Sister Study Steering Committee, National Institute of Environmental Health Sciences
Judge, Fellow Awards for Research Excellence, National Institutes of Health

Bibliography

A. Peer-Reviewed Original Contributions

1. **Chen H**, Ge KY, Wang EL, Jia FM, Jiao RH, Wang YY: The validation of conjunctival impression cytology to detect vitamin A deficiency. *Hygiene Res* 25(Suppl): 126-132, 1996.
2. Tucker KL, Hannan MT, **Chen H**, Cupples LA, Wilson PWF, Kiel D: Potassium, magnesium, and fruit and vegetable intakes are associated with greater bone mineral density in elderly men and women. *Am J Clin Nutr* 69(4): 727-36, 1999.
3. Tucker KL, **Chen H**, Vogel S, Wilson PWF, Schaefer EJ, and Lammi-Keefe CJ: Carotenoid intakes, assessed by dietary questionnaire, are associated with plasma carotenoid concentrations in an elderly population. *J Nutr* 129: 438-445, 1999.
4. Booth SL, Tucker KL, **Chen H**, Hannan MT, Gagnon DR, Cupples LA, Wilson PWF, Ordovas J, Schaefer EJ, Dawson-Hughes B, Kiel DP: Dietary vitamin K intakes are associated with hip fracture but not with bone mineral density in elderly men and women. *Am J Clin Nutr* 71(5): 1201-1208, 2000.
5. **Chen H**, Burmudez OI, Tucker KL: Waist circumference and weight change are associated with disability among elderly Hispanics. *J Gerontol A Biol Sci Med Sci* 57 (1): M19-M25, 2002
6. **Chen H**, Ward MH, Graubard BI, Heineman EF, Markin RS, Potischman NA, Russell RM, Weisenburger DD, Tucker KL: Dietary patterns and adenocarcinoma of the esophagus and distal stomach. *Am J Clin Nutr* 75(1): 137-44, 2002
7. Tucker KL, **Chen H**, Hannan MT, Cupples LA, Wilson PWF, Felson D, Kiel D: Bone mineral density and dietary patterns in older adults: the Framingham Osteoporosis Study. *Am J Clin Nutr* 76(1): 245-52, 2002.

8. **Chen H**, Tucker KL, Graubard BI, Heineman EF, Markin RS, Potischman NA, Russell RM, Weisenburger DD, Ward MH: Nutrient intakes and adenocarcinoma of the esophagus and distal stomach. *Nutr Cancer* 42(1): 33-40, 2002
9. **Chen H**, Ward MH, Tucker KL, Graubard BI, McComb RD, Potischman NA, Weisenburger DD, Heineman EF: Diet and risk of adult glioma in eastern Nebraska. *Cancer Causes Control* 13: 647-655, 2002
10. Zhang SM, Hernán MA, **Chen H**, Spiegelman D, Willett WC, Ascherio A: Intakes of vitamins E and C, carotenoids, vitamin supplements, and PD risk. *Neurology* 59(8): 1161-1169, 2002
11. **Chen H**, Zhang SM, Hernán MA, Willett WC, Ascherio A: Diet and Parkinson's disease: a potential role of dairy products in men. *Ann Neurol* 52: 793-801, 2002
12. **Chen H**, Zhang SM, Hernán MA, Willett WC, Ascherio A: Weight loss in Parkinson's disease. *Ann Neurol* 53(5): 676-9, 2003
13. **Chen H**, Miller BA, Giovannucci E, Hayes RB: Height and the survival of prostate cancer patients. *Cancer Epidemiol Biomarkers Prev* 12: 215-8, 2003
14. Ascherio A, **Chen H**, Schwarzschild MA, Zhang SM, Colditz GA, Speizer FE, Willett WC: Caffeine, postmenopausal estrogen, and risk of Parkinson's disease. *Neurology* 60(5): 790-5, 2003
15. **Chen H**, Zhang SM, Hernán MA, Willett WC, Ascherio A: Dietary intakes of fat and risk of Parkinson's disease. *Am J Epidemiol* 157(11):1007-14, 2003
16. Weisskopf MG, **Chen H**, Schwarzschild MA, Kawachi I, Ascherio A: Prospective study of phobic anxiety and risk of Parkinson's disease. *Mov Disord* 18(6):646-51, 2003
17. **Chen H**, Zhang SM, Hernán MA, Schwarzschild MA, Willett WC, Colditz GA, Speizer FE, Ascherio A: Nonsteroidal anti-inflammatory drugs and the risk of Parkinson's disease. *Arch Neurol* 60: 1059-64, 2003
18. Hernán MA, **Chen H**, Schwarzschild MA, Ascherio A: Alcohol consumption and the incidence of Parkinson's disease *Ann Neurol* 54 (2): 170-175, 2003
19. **Chen H**, Zhang SM, Schwarzschild MA, Hernán MA, Willett WC, Ascherio A: Obesity and risk of Parkinson's disease. *Am J Epidemiol* 159: 547-55, 2004
20. **Chen H**, Zhang SM, Schwarzschild MA, Hernán MA, Logroscino G, Willett WC, Ascherio A: Folate intake and risk of Parkinson's disease. *Am J Epidemiol* 160: 368-75, 2004

21. Zhang J, Song YQ, **Chen H**, Fan D: The tau gene haplopyte H1 confers a susceptibility to Parkinson's disease. *Euro Neurol* 53(1):15-21, 2005
22. **Chen H**, Zhang SM, Schwarzschild MA, Hernán MA, Ascherio A: Physical activity and the risk of Parkinson's disease. *Neurology* 64 (4): 664-9, 2005
23. **Chen H**, Jacobs E, Schwarzschild MA, McCullough ML, Calle EE, Thun MJ, Ascherio A: Nonsteroidal antiinflammatory drug use and the risk for Parkinson's disease. *Ann Neurol* 58 (6) 963-967, 2005
24. Jiang B, Wang WZ, **Chen H**, Hong Z, Yang QD, Wu SP, Du XL, Bao QJ: Incidence and trends of stroke and its subtypes in China: results from three large cities. *Stroke* 37(1):63-8, 2006
25. **Chen H**, Schernhammer E, Schwarzschild MA, Ascherio A: A prospective study of night shift work, sleep duration, and risk of Parkinson's disease. *Am J Epidemiol* 163(8):726-30, 2006
26. **Chen H**, Zhang SM, Schwarzschild MA, Hernán MA, Ascherio A: Survival of Parkinson's disease patients in a large prospective cohort of male health professionals. *Mov Disord* 21(7): 1002-7, 2006
27. Logroscino G, **Chen H**, Wing A, Ascherio A: Blood donations, iron stores, and risk of Parkinson's disease *Mov Disord* 21(6):835-8, 2006
28. Ascherio A, **Chen H**, Weisskopf MC, O'Reilly E, McCullough ML, Calle EE, Schwarzschild MA, Thun MJ: Pesticide exposure and risk for Parkinson's disease. *Ann Neurol.* 60 (2): 197-203, 2006
29. Huang X, **Chen H**, Miller WC, Mailman RB, Woodard JL, Chen PC, Xiang D, Murrow RW, Wang YZ, Poole C: Lower low-density lipoprotein cholesterol levels are associated with Parkinson's disease *Mov Disord* 22(3):377-381, 2007
30. Thacker EL, O'Reilly EJ, Weisskopf MG, **Chen H**, Schwarzschild MA, McCullough ML, Calle EE, Thun MJ, Ascherio A: Temporal relationship between cigarette smoking and risk of Parkinson disease. *Neurology* 68: 764-768, 2007
31. **Chen H**, O'Reilly E, McCullough ML, Rodriguez C, Schwarzschild MA, Calle EE, Thun MJ, Ascherio A: Consumption of dairy products and risk of Parkinson's disease. *Am J Epidemiol* 165(9):998-1006, 2007
32. Kan H, London SJ, **Chen H**, Song G, Chen G, Jiang L, Zhao N, Zhang Y, Chen B: Diurnal temperature range and daily mortality in Shanghai, China. *Environmental Research* 103(3):424-431, 2007

33. **Chen H**, Richard M, Sandler DP, Umbach DM, Kamel F: Head injury and amyotrophic lateral sclerosis *Am J Epidemiol* 166(7):810-6, 2007
34. Weisskopf MG, O'Reilly E, **Chen H**, Schwarzschild MA, Ascherio A: Plasma urate and risk of Parkinson's disease. *Am J Epidemiol* 166(5):561-7, 2007
35. Simon KC, **Chen H**, Schwarzschild MA, Ascherio A: Hypertension, hypercholesterolemia, diabetes, and risk of Parkinson's disease. *Neurology* 69(17):1688-95, 2007
36. Gao X, **Chen H**, Fung TT, Logroscino G, Schwarzschild MA, Hu FB, Ascherio A: Prospective study of dietary pattern and risk of Parkinson disease. *Am J Clin Nutr* 86(5):1486-94, 2007
37. Gao X, **Chen H**, Schwarzschild MA, Glasser DB, Logroscino G, Rimm EB, Ascherio A: Erectile function and risk of Parkinson's disease. *Am J Epidemiol* 166(12):1446-50, 2007
38. **Chen H**, O'Reilly EJ, Schwarzschild MA, Ascherio A: Peripheral inflammatory biomarkers and risk of Parkinson's disease. *Am J Epidemiol* 167(1):90-5, 2008
39. Wang H, **Chen H**, Gao X, McGrath M, Deer D, De Vivo I, Schwarzschild MA, Ascherio A: Telomere length and risk of Parkinson's diseases *Mov Disord* 23(2):302-5, 2008
40. Thacker EL, **Chen H**, Patel AV, McCullough ML, Calle EE, Thun MJ, Schwarzschild MA, Ascherio A: Recreational physical activity and risk of Parkinson's disease. *Mov Disord* 23(1):69-74, 2008
41. Gao X, **Chen H**, Schwarzschild MA, Logroscino G, Ascherio A: Perceived imbalance and risk of Parkinson's disease. *Mov Disord* 23(4):613-6, 2008
42. **Chen H**, Guo X: Obesity and functional disability in elderly Americans. *J Am Geriatr Soc* 56(4):689-94, 2008
43. Gao X, **Chen H**, Choi HK, Curhan G, Schwarzschild MA, Ascherio A: Diet, Urate and Parkinson's disease risk in men. *Am J Epidemiol* 167(7):831-8, 2008
44. Logroscino G, Gao X, **Chen H**, Wing Al, Ascherio A: Dietary iron intake and risk of Parkinson's disease *Am J Epidemiol* 168(12):1381-8, 2008
45. O'Reilly E, **Chen H**, Gardener H, Gao X, Schwarzschild M.A., Ascherio A: Smoking and Parkinson's disease: using parental smoking as a proxy to explore causality. *Am J Epidemiol* 169(6):678-82, 2009
46. Kim S, Parks CG, DeRoo LA, **Chen H**, Taylor JA, Cawthon RM, Sandler DP: Obesity and weight gain in adulthood and telomere length. *Cancer Epidemiol Biomarkers Prev* 18(3):816-20, 2009

47. Xu Q, Parks CG, DeRoo LA, Cawthon RM, Sandler DP, **Chen H**. Multivitamin use and telomere length in Women. *Am J Clin Nutr* 89: 1-7, 2009
48. **Chen H**, Mosley TH, Alonso A, Huang X: Plasma urate and Parkinson's disease in the Atherosclerosis Risk in Communities (ARIC) Study. *Am J Epidemiol* 169 (9) 1064-9, 2009
49. Scholz SW, Houlden H, Schulte C, Sharma M, Li B, Berg D, Melchers A, Segarane B, Gibbs JR, Simon-Sanchez J, Paisan-Ruiz C, Bras J, Ding D, **Chen H**, Traynor BJ, Arepalli S, Zonozi RR, Revesz T, Holton J, Oertel W, Wuellner U, Goldwurm S, Pellecchia MT, Illig T, Riess O, Fernandez HH, Rodriguez RL, Okun MS, Poewe W, Wenning GK, Hardy JA, Singleton AB, Gasser T: SNCA variants are associated with increased risk of multiple system atrophy. *Ann Neurol* (in press)
50. Simon KC, **Chen H**, Gao X, Schwarzschild MA, Ascherio A: Reproductive factors and exogenous estrogen use and risk of Parkinson's disease *Mov Disord* (in press)

Manuscripts in Preparation

51. Simon KC, Gao X, **Chen H**, Schwarzschild MA, Ascherio A: Calcium channel blocker use and risk of Parkinson's disease
52. Gardener H, Gao X, **Chen H**, Schwarzschild MA, Spiegelman D, Ascherio A: Prenatal and Early Life Factors and Risk of Parkinson's Disease
53. Xu Q, Huang X, Park Y, Hollenbeck A, Blair A, Schatzkin A, **Chen H**: Body mass index, waist circumference, and Parkinson's disease.
54. Gao J, Huang X, Park Y, Hollenbeck A, Blair A, Schatzkin A, **Chen H**: Temporal relationship between daytime napping and night sleeping and Parkinson's disease
55. Xu Q, Huang X, Park Y, Hollenbeck A, Blair A, Schatzkin A, **Chen H**: Physical activity at different life periods and Parkinson's disease.
56. Xu Q, Huang X, Park Y, Hollenbeck A, Blair A, Schatzkin A, **Chen H**: Diabetes and Parkinson's disease.
57. International PD Consortium: Genome-wide association study in Parkinson's disease reveals *SNCA* and *MAPT* as the two major factors in the Caucasian population
58. **Chen H**, Huang X, Park Y, Hollenbeck A, Blair A, Schatzkin A: Smoking duration, intensity and Parkinson's disease.
59. Xu Q, Song Y, Park Y, Hollenbeck A, Blair A, Schatzkin A, **Chen H**: Daytime napping, night sleeping, and diabetes mellitus
60. Fang F, Park Y, Huang X, Hollenbeck A, Blair A, Schatzkin A, Kamel F*, **Chen H***: Depression and Parkinson's disease.

B. Peer-Reviewed Reviews

1. **Chen H** and Ge KY: Update of the methods to detect vitamin A deficiency. *J Int Med: Hyg Sect* 24(2): 106-109. 1997
2. Ascherio A and **Chen H**: Caffeinated clues from epidemiology of Parkinson's disease *Neurology* 61 (11 Suppl 6): S51-S54, 2003
3. Schernhammer E, **Chen H**, Ritz B: Circulating melatonin: A possible link between Parkinson's disease and cancer risk. *Cancer Causes Control* 17(4):577-82, 2006.
4. Bronstein J, Carvey P, **Chen H**, Cory-Slechta D, Dimonte D, Duda J, English P, Goldman S, Grate S, Hansen J, Hoppin J, Jewell S, Kamel F, Koroshetz W, Langston JW, Logroscino G, Nelson L, Ravina B, Rocca W, Ross GW, Schettler T, Schwarzschild M, Scott B, Seegal R, Singleton A, Steenland K, Tanner CM, Van Den Eeden S, Weisskopf MC: Meeting Report: Consensus Statement-Parkinson's Disease and the Environment: Collaborative on Health and the Environment and Parkinson's Action Network (CHE PAN) Conference 26-28 June 2007. *Environment Health Perspectives* 117(1):117-21, 2009
5. Hancock DB, Scott WK, **Chen H**: Pesticide exposure and Parkinson's disease. *US Neurology* (Invited review, in press)
6. **Chen H**, Huang X: Environmental Epidemiology of Parkinson's disease *Neuroepidemiology* (Invited Review, submitted)

C. Letters

- 1 Huang X, **Chen H**, Petrovitch H, Mailman R, Ross W: Reply: Plasma cholesterol and Parkinson's disease: is the puzzle only apparent? *Mov Disorders* (in press)